

Daily Operational Activities / Timelines at LaRC

No	Task/activity/operation	Criticality	Relevant ICT Tests	Related EGS Tests	Relevant operational rehearsal plan test scenarios	Operations Scenario Environment	Number of operations/ day	Remarks
1	System start-up or re-start	LC		(EGS7, EGS10, EGS 11)	L-LC-20	System Management Failure during start up	Once or as needed	
2	Generation of daily / weekly (?) operations plans	LC		EGS10, EGS11	L-LC32	Science operations Standard planning	Daily/ weekly or as needed	
3	Production Planning resource planning, (Cross DAAC Plan coordination)	LC		EGS10, EGS11	L-LC-32	Science operations, System stress Standard production,	Once or as needed	Cross DAAC Plan coordination after Launch?
4	Ingest and Archive Expedited Data from CERES	LC	ICT3	EGS10, EGS11	L-LC-1	Science operations L0 and ancillary data ingest	Variable	
5	Ingest and Archive Expedited Data from MOPITT	LC	ICT3	EGS10, EGS11	L-LC-3	Science operations L0 and ancillary data ingest	Variable	
6	Ingest and Archive Expedited Data from MISR	LC	ICT3	EGS10, EGS11	L-LC-2	Science operations L0 and ancillary data ingest	Variable	
7	Ingest and Archive L0 Data from CERES .	LC	ICT3	EGS10, EGS11	L-LC-1	Science operations L0 and ancillary data ingest	every two hours (or once a day)	Data are expected to be available at EDOS every two hours, may be made available to DAAC once a day
8	Ingest and Archive L0 Data from MOPITT.	LC	ICT3	EGS10, EGS11	L-LC-3	Science operations L0 and ancillary data ingest	every two hours	Data are expected to be available at EDOS every two hours
9	Send MOPITT L0 data to MOPITT SCF	LC	ICT1	EGS10, EGS11			Every two hours	

Daily Operational Activities / Timelines at LaRC

No	Task/activity/operation	Criticality	Relevant ICT Tests	Related EGS Tests	Relevant operational rehearsal plan test scenarios	Operations Scenario Environment	Number of operations/ day	Remarks
10	Ingest and Archive L0 Data from MISR	LC	ICT3	EGS10, EGS11	L-LC-2	Science operations L0 and ancillary data ingest	every two hours	Data are expected to be available at EDOS every two hours
11	Ingest and Archive MODIS subsetting data from GSFC	LC		EGS10, EGS11	L-LC-37 for MODIS data	Science operations L0 and ancillary data ingest	Once a day or as needed	Ancillary data to be identified based on products generated in Release 2.0
12	Ancillary data for CERES product generation (NOAA)	TBD		EGS10 EGS11	L-LC-5	Science operations L0 and ancillary data ingest	TBD	
13	Ingest and Archive external ancillary data for MISR product generation	LC	? ICT4 ??	EGS10, EGS11	L-LC-5	Science operations L0 and ancillary data ingest	once or as needed	Ancillary data to be identified based on products generated in Release 2.0
14	Ingest and Archive MOPITT products from MOPITT SCF	LC	ICT1	EGS10, EGS11	L-LC-8	Science operations L0 and ancillary data ingest	Once or as needed	Ancillary data to be identified based on products generated in Release 2.0
15	Data product generation for CERES	LC		EGS10, EGS11.	L-LC-6	Science operations Standard processing	Once daily or as required	Details of PGEs available and products generated at Launch -- TBD
16	DAAC QA/QC and archive of CERES products	LC		EGS10 EGS11	L-LC-6	Science operations on site QA	Once daily or as required	
17	CERES Science QA at SCF	LC	ICT1	EGS10	L-LC-14	Science operations	As required	

Daily Operational Activities / Timelines at LaRC

No	Task/activity/operation	Criticality	Relevant ICT Tests	Related EGS Tests	Relevant operational rehearsal plan test scenarios	Operations Scenario Environment	Number of operations/ day	Remarks
18	Data product generation for MISR	LC		EGS10, EGS11.	L-LC-7	Science operations Standard processing	Once every orbit for Level 1 Products	Some PGEs once a Week
19	DAAC QA/QC and archive for MISR products	LC		EGS10 EGS11	L-LC-7	Science operations on site QA	Once every orbit	
20	MISR Science QA at SCF	LC	ICT1	EGS10 EGS11	L-LC-15	Science Operations	As required	
21	Inventory update and advertise for archived data products	LC		EGS10	(Part of ingest and archive scenarios)	Science operations Advertising Service	Variable	
22	Error handling in ingest, product generation and archive	LC		EGS 10	(Part of ingest and archive scenarios)	Science operations System management SMC unattended Operations	As required	
23	User access, System Security	LC		EGS10, EGS11, EGS7	L-LC-24	User services Restricted data access	Variable (100 / hour ?)	
24	Search, Browse (CERES MOPITT, and MISR data or similar data)	LC		EGS10 EGS11	L-LC-16, L-LC-17, L-LC-18, L-LC-19	(User services) primarily user operations	Variable	
25	Product orders (LaRC specific) Standing orders/ one time orders	LC		EGS10 EGS11	L-LC-16, L-LC-17, L-LC-18, L-LC-19	User services Order processing	Variable	
26	Data distribution (From LaRC) -by network	LC		EGS10 EGS11	L-LC-16, L-LC-17, L-LC-18, L-LC-19	Science operations Data distribution	Variable	

Daily Operational Activities / Timelines at LaRC

No	Task/activity/operation	Criticality	Relevant ICT Tests	Related EGS Tests	Relevant operational rehearsal plan test scenarios	Operations Scenario Environment	Number of operations/ day	Remarks
27	Data distribution (From LaRC) -by electronic media	LC		EGS10 EGS11	L-LC-16, L-LC-17, L-LC-18, L-LC-19	Science operations Data distribution	Variable	
28	System management activities (trouble ticketing, Reports generation	LC		EGS10	L-LC-20	System management	Variable	
29	Operations, Test and Mode management	LC		TBD	L-LC-25	System Management	As needed	
30	User support (help line)			EGS10 ?	??	User services general inquiry	Variable	
31	ESDT addition / modification	LC		EGS 10	L-LC-22		As needed	
32	Processing Science algorithm processing Change	LC		TBD	L-LC-21		As needed	
33	SSI&T for new PGE	LC		TBD	L-LC-26		As needed	

Daily Operational Activities / Timelines at LaRC

	Task/Activity / Operation	Operations / day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	System start-up or re-start	Once or as needed																								
2	Generation of daily/weekly operations plans	Daily/ Weekly or as needed																								
3	Production Planning, resource planning, (Cross DAAC Plan coordination)	Once or as needed.																								
4	Ingest and Archive Expedited Data from CERES	Variable																								
5	Ingest and Archive Expedited Data from MOPITT	Variable																								
6	Ingest and Archive Expedited Data from MISR	Variable																								
7	Ingest and Archive L0 Data from CERES .	Every two hours (or Once a day)																								
8	Ingest and Archive L0 Data from MOPITT.	Every two hours																								
9	Send MOPITT L0 Data to MOPITT SCF	Every Two hours																								
10	Ingest and Archive L0 Data from MISR	Every two hours																								
11	Ingest and Archive MODIS subsetted data from GSFC	Once a day or as required																								
12	Ancillary data for CERES product generation. (NOAA)	TBD																								

Daily Operational Activities / Timelines at LaRC

	Task/Activity / Operation	Operations / day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13	Ingest and Archive external ancillary data for MISR product generation (TBD)	Once a day or as required																								
14	Ingest and Archive MOPITT products from MOPITT SCF	Once a day or as required																								
15	Data products generation for CERES	Once Daily																								
16	DAAC QA/QC and archive of CERES products	Once daily																								
17	CERES Science QA at SCF	Once a day or as required																								
18	Data product generation for MISR	Every orbit																								
19	DAAC QA/QC and archive for MISR products	Every orbit																								
20	MISR Science QA at SCF	As required																								
21	Inventory update and advertise	Variable																								
22	Error handling in ingest, product generation and archive	As required																								
23	User Access, System security	Variable																								
24	Search, Browse (CERES MOPITT, MISR data or similar data)	Variable																								
25	Product orders (LaRC specific) Standing orders/ one time orders	Variable																								

Daily Operational Activities / Timelines at LaRC

	Task/Activity / Operation	Operations / day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
26	Data distribution (From LaRC) -by network	Variable																									
27	Data distribution (From LaRC) electronic media	Variable																									
28	System management activities (Mode management, trouble ticketing, reports generation	Variable																									
29	Operations, Test and Mode management	As Needed																									
30	User support (help line)	Variable																									
31	ESDT addition/ Modification	As Needed																									
32	Processing Science algorithm Change	As Needed																									
33	SSI&T for New PGE	As Needed																									